

MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-763/7632-50-0.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
7632-50-0

Code:
M

RTECS:
GE7545000

Code:
M

Name:
AMMONIUM CITRATE

Other REC Limits:
N/K

OSHA PEL:
N/K

Code:
M

OSHA STEL:

Code:

ACGIH TLV:

N/K

Code:
M

ACGIHSTEL:

N/P

Code:

Control Measures

Respiratory Protection:

AS REQUIRED

Ventilation:

TYPICALLY 10 ROOM VOLUMES PER HOUR IS CONSIDERED GOOD GENERAL VENTILATION; RATES SHOULD BE MATCHED TO CONDITIONS OF USE

Protective Gloves:

IMPERVIOUS

Eye Protection:

SAFETY GLASSES

Other Protective Equipment:

Equipment 3 N/K

Work Hygienic Practices:

N/K

Supplemental Safety and Health:

THIS CHEMICAL FORMULATION IS A MODERATELY ALKALINE AQUEOUS SOLUTION & THIS PROPERTY MAY CAUSE ADVERSE ENVIRONMENTAL EFFECTS IF DISCHARGED DIRECTLY TO THE ENVIRONMENT WITHOUT TREATMENT. IT IS EXPECTED TO HAVE MODERATE BIOLOGICAL OXYGEN DEMAND & MAY CAUSE OXYGEN DEPLETION IN AQUATIC SYSTEMS.

Health Hazards Data

LD50LC50Mixture:

ORAL LD50 (RAT): >5000 MG/KG

Route Of Entry Inds - Inhalation:

NO

Skin:

NO

Ingestion:

NO

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

INHALATION/SKIN/INGESTION: LOW HAZARD. EYES: TRANSIENT IRRITATION.

Explanation Of Carcinogenicity:

NONE

Signs And Symptoms Of Overexposure:

N/K

Medical Cond Aggravated By Exposure:

N/K

First Aid:

INHALATION: REMOVE TO FRESH AIR. EYES/SKIN: FLUSH W/WATER. INGESTION: DRINK 1-2 GLASSES OF WATER. OBTAIN MEDICAL ATTENTION IN ALL CASES. 2

Spill Release Procedures:

FLUSH MATERIAL TO SEWER W/PLENTY OF WATER.

Neutralizing Agent:

N/K

Waste Disposal Methods:

DISCHARGE, TREATMENT, OR DISPOSAL MAY BE SUBJECT TO FEDERAL, STATE & LOCAL REGULATIONS.

Handling And Storage Precautions:

N/K

Other Precautions:

PREVENT CONTACT W/SKIN & EYES.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

Flash Point Text:

NONE

Autoignition Temp:

Autoignition Temp Text:

N/A

Lower Limits:

N/K

Upper Limits:

N/K

Extinguishing Media:

USE AGENT APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:

WEAR SELF-CONTAINED BREATHING APPARATUS & PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:

N/K

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
>212F(100C)

Melt/Freeze Pt:

M.P/F.P Text:
N/K

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
18

Vapor Density:
0.6

Volatile Org Content %:

Spec Gravity:
1.191

VOC Pounds/Gallon:

PH: 8.8

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:

N/K

Solubility in Water:

COMPLETE

Appearance and Odor:

CLEAR, COLORLESS SOLUTION, ODORLESS

Percent Volatiles by Volume:

70/WT

Corrosion Rate:

N/K

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

N/K

Materials To Avoid:

NONE W/COMMON MATERIALS &CONTAMINANTS W/WHICH THE PRODUCT MAY REASONABLY COME INTO CONTACT.

Hazardous Decomposition Products:

N/K

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

N/K

Toxicological Information

Information:N/P

MSDS Transport Information

Information:N/P

Regulatory Information

Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Other Information

Other Information:N/P

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WARRANTY

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